

Table 7

No.	Steel	Hot rolling										Hot-rolled sheet		Cold-rolled sheet		Cold-rolled sheet		Flattening		Alloying		Remarks
		Rough rolling		Finish rolling				Cooling		Process		Cold-rolled sheet		Theoretical section annealing		Cooling: cool rate		Flattening		Alloying		
HEAT °C	EDT °C	FRT °C	Pressure of lubrication	FTE °C	Reduction ratio %	OT °C	Temp. °C	Batch	Continuous	Reduction ratio %	Temp. °C	Time s	°C/h	Sheet temp.	Batch temp.	Temp. °C	Reduction ratio	Time s				
1	A	1160	900	810	Yes	680	85	810	780	Batch	Continuous	80.0	860	40	15	470	465	-	-	II		
2	B	1160	910	830	Yes	690	85	810	840	Continuous	Continuous	80.0	880	40	-	-	-	-	-	I		
3	C	1140	920	840	Yes	680	85	830	600	Batch	Continuous	82.5	870	40	30	465	460	460	35	III		
4	D	1180	900	820	Yes	680	85	800	880	Continuous	Continuous	82.5	850	40	25	470	465	-	-	II		
5	E	1190	880	850	Yes	690	85	830	810	Batch	Batch	80.0	880	40	25	465	460	460	38	III		
6	F	1160	820	840	Yes	670	85	830	810	Batch	Batch	82.5	880	40	-	-	-	-	-	I		
7	G	1130	910	820	Yes	670	85	830	800	Batch	Batch	80.0	870	40	50	480	470	470	-	II		
8	H	1100	900	810	Yes	680	85	800	780	Batch	Batch	80.0	860	40	15	465	470	470	20	III		
9	A	1080	800	810	Yes	680	85	800	780	Batch	Batch	82.5	880	40	15	470	465	-	-	I		
10	B	1140	910	830	Yes	670	85	820	780	Batch	Batch	82.5	880	40	1	470	460	460	20	III		
11	C	1260	1160	1070	Yes	910	35	760	650	Continuous	Continuous	80.0	870	40	30	465	460	460	25	III		
12	D	1170	800	810	Yes	680	85	810	-	No processing	-	80.0	850	40	-	-	-	-	-	I		

SRT = slab heating temperature, RDT = rough rolling delivery temperature, FET = finishbar entrance temperature, FDT = finishbar delivery temperature, CT = cooling temperature, I = cold-rolled steel sheet, II = hot-dip galvanized steel sheet, III = alloying hot-dip galvanized steel sheet